

79. Please refer to drawings A-201, A-902 and specification 10 14 01 Detail 11 NASA logo. The specifications paragraph 2.2.1 (fabrication) refer to this logo as 1/2" thick cast aluminum that is internally illuminated. That is not possible. A reference to cast aluminum indicates that this would be more along the lines of a dedication plaque. Please provide better details as to the design intent for this sign.

**NASA RESPONSE:** Specification Section 10 14 01 2.2.1 Cast Aluminum NASA Meatball Fabrication will be revised by amendment,

**From:**

2.2.1 Cast Aluminum NASA Meatball Fabrication Five (5) foot by one half (1/2) inch thick cast aluminum NASA Meatball internally illuminated with white LED lighting by the sign manufacturer.

**To:**

2.2.1 NASA Meatball Fabrication. Five (5) foot NASA Meatball backlit by white LED lighting by the sign manufacturer.

80. We see a specification for a lightning Protection system, but cannot find a design in the drawing package. Is the contractor responsible for the design of the system?

**NASA RESPONSE:** The contractor shall be responsible for designing and installing the lightning protection system (LPS) for the Fire Station. The contractor shall install the LPS per the NFPA 780 and NASA STD 8719.12.

81. The specifications call for a 129 mph wind warranty. This is not available from any manufacturer. Is the intent to ask for a 120 mph warranty or a 130 mph warranty? Spec 07 52 00 page 6 paragraph 1.8.1 (c)

**NASA RESPONSE:** A wind warranty of 130 mph is required. An amendment will be issued to correct the typo from 1129 mph to 130 mph.

82. There is no manufacturer finish warranty available when a metal panel is within 3 miles of salt water. Can this requirement be waived? Specs 07 52 00

**NASA RESPONSE:** No, the requirement cannot be waived. There are apparently metal finish warranties available as NASA already has several metal buildings situated close to the ocean including the Horizontal Integration Facility (HIF) with metal wall panels and this facility is located about the same distance to the ocean as the Fire Station will be.

83. I do not find where the contract documents show any requirements for rebar splices. Can this information be provided so we may receive adequate pricing for all work involving reinforcement by rebar?

**NASA RESPONSE:** Refer to Specification Section 03 30 00, part 3.6.4. Splices not indicated or shown on the drawings are governed by ACI/MCP-2.

84. Please provide the rates for sheet metal installers.

**NASA RESPONSE:** As the correct wage determination is included in the solicitation, the bidder should base his bid on current wages paid for the skill of worker. After award of the contract a wage conformance can be requested.

85. The WD does not include a fire sprinkler fitter designation. We would assume that we have to use the plumber designation?

**NASA RESPONSE:** Plumber would be appropriate since the Pipe Fitter is for HVAC only.

86. Prevailing wage is required but I did not see a category that encompassed precast wall panel installation. It is usually iron workers-do you have a more extensive list so that we can ensure the bids we are receiving are adequate to meet the wage requirements that will be required after award?

**NASA RESPONSE:** See response to Question #84.

87. The wage determination provided with this solicitation does not include a wage rate for Steel Erector/Worker. This project includes a substantial amount of work related to Structural Steel fabrication and erection and also the fab and erection of the PEMB portion of the project. Historically Wage determinations used in other projects have a wide range of rates ranging from \$16 plus fringes to \$41.50 per hour plus fringes. Without a predetermined wage determination for this specific project prior to bid, pricing for Structural Steel and PEMB would put the Steel contractor at risk of not including the appropriate amount of labor cost in their proposal and also put NASA at risk of paying too much to complete the project if a labor rate higher than necessary is used to bid the labor cost for the Steel scope of the project.

Please provide the necessary revised Wage Determination with the appropriate wage rates and fringe benefits for Steel fabrication/erection/workers.

**NASA RESPONSE:** See response to Question #84.

88. Specs [Section] 08 36 13 calls for 100PSF. Is this supposed to be 100MPH vs 100PSF in regards to windload? Please confirm PSF or MPH for windload for the overhead doors.

**NASA RESPONSE:** The correct windload for the overhead doors is 130 mph which will be corrected via amendment.

89. The specification section 03 45 00 – 2.2.2. Exposed-to-view facing mixture states:

“ Provide aggregates for exposed-to-view facing mixture; white, gray, or buff portland cement or a blend of two or more Portland cements.”

There is a significant price increase to go from a gray cement to a white, and the precast wall panel manufacturer is not aware of a buff colored cement that is available to them. Since there is a significant cost difference in the colors listed please clarify which cement color will be required so that fair and balanced proposals can be received and submitted.

**NASA RESPONSE:** Color shall be as indicated on the Exterior Color Schedule chart on Sheet A-905.

90. Specification section 03 45 00 – 2.3.3 Exposed aggregate states:

“ In addition to the above, facing mixture aggregate, and aggregate for homogeneous panels with exposed aggregate finish, will be gravel of size and color to produce exposed surfaces to match the color and texture of the sample on file with the Contracting Officer.”

Are the specifications referring to the sample that we will submit for approval or is there a sample we are supposed to match? If a sample is available please send us photos as no sample or pictures have been provided. Or is it up to us to choose the color of the coarse aggregate based on what is available to us? Section 03 45 00 2.3.14 addresses the coarse aggregate size and the fine aggregate size and color, but we haven't located anything stating the coarse aggregate color. Please advise.

**NASA RESPONSE:** Colors will be selected by the Government from standard color charts or actual samples supplied by the Contractor during the submittal process to approximate the color of the sample on file with the Government. The sample on file with the Government is as noted in the Basis of Design, marked “Sample #3” and is predominantly a white panel. A picture of that panel is attached.